

## Element Occurrence Record

**Scientific Name:** Helianthus paradoxus      **Occurrence #:** 3      **Eo Id:** 6711  
**Common Name:** Pecos sunflower      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:** T  
**Global Rank:** G2      **State Rank:** S1      **Federal Status:** LT

### Location Information:

#### Directions

10.1 MILES NORTH OF HIGHWAY 18 AND DICKSON BOULEVARD IN FORT STOCKTON; BOTH SIDES OF HIGHWAY 18 AND EAST OF FENCE ON EITHER SIDE OF DIAMOND Y CREEK

### Survey Information:

**First Observation:** 1961      **Survey Date:** 1988-09-12      **Last Observation:** 1997  
**Eo Type:**      **Eo Rank:** C      **Eo Rank Date:** 1988-09-12  
**Observed Area:** 1.00

### Comments:

**General Description:** CIENEGA SURROUNDING PERENNIAL CREEK, BALMORHEA SOIL SERIES, LEVEL TOPOGRAPHY; WITH DISTICHLIS SPICATA, BACCHARIS SP., TAMARIX SP., HELIOTROPIUM CURSARICUM, SCIRPUS OLNEYI, SESUVIUM SP., SPOROBOLUS AIROIDES, ISOCOMA WRIGHTII, ELEOCHARIS SP., CIRSIUM UNDULATUM

**Comments:** SITE SHOULD BE RECHECKED

#### Protection

#### Comments:

**Management Comments:** SEE MANAGEMENT AGREEMENT IN POOLE AND CORLIES, 1992 (SEE BEST SOURCE)

### Data:

**EO Data:** 50 plants in 1961; 200 in 1976; reportedly extirpated in 1980 by bridge construction; reportedly eliminated from pastures by cattle prior to 1980; in 1988, 84 plants on west side of highway, 5 on east side, and 2 east of fence; 1991, 545 plants; 1992, 225 plants; 1993, 308 plants; 1994, 3388 plants; 1995, 743 plants; 1996, 174 plants; 1997, 836 plants

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>
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## Element Occurrence Record

### Citation:

Poole, Jackie M. and G. K. Corlies. 1992. Project No: E-1-4. Job No. 35: Assessment and Management Plan Development for Listed and Category Plants on Texas Department of Highways Lands. Texas Parks and Wildlife Dept. Section 6 Study. 30 November 1992.

RARE PLANT STUDY CENTER, UNIVERSITY OF TEXAS AT AUSTIN. 1977. REPORT.

WAGNER, W. AND D. SABO. 1977-??-???. USF& WS ENDANGERED SPECIES STATUS REPORT.

Linam, Lee Ann. 2002. Final Report Project WER 09(72): Implementation of candidate species monitoring. Grant No. E-9. 1 November 2002.

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### Specimen:

University of Texas at Austin Herbarium. 1980. J. Gershenzon #78 and R. Pfeil, Specimen # none TEX. 1 August 1980.

Sul Ross State University Herbarium, Alpine. 1976. D.O. Kolle #1415, Specimen # none SRSC. 11 October 1976.

University of Texas at Austin Herbarium. 1984. Scott Sundberg #2707 and E. Lee, Specimen # none TEX. 1 September 1984.

[S80GERTXTXUS]

[S76KOLSRTXUS]

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## Element Occurrence Record

Scientific Name: Helianthus paradoxus

Occurrence #: 4 Eo Id: 366

Common Name: Pecos sunflower

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status: T

Global Rank: G2

State Rank: S1

Federal Status: LT

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### Location Information:

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#### Directions

FORT STOCKTON

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### Survey Information:

First Observation: 1943-09-29

Survey Date:

Last Observation: 1943-09-29

Eo Type:

Eo Rank: H

Eo Rank Date: 2006-12-07

Observed Area:

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### Comments:

#### General

Description:

Comments:

#### Protection

Comments:

#### Management

Comments:

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### Data:

EO Data:

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### Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

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### Reference:

#### Citation:

BAKER, J. T. (2). 1943. SPECIMEN # 153397 TX.

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### Specimen:

University of Texas at Austin Herbarium and Lundell Herbarium. 1943. J.T. Baker #2, Specimen # 153397 TEX and none TEX-LL. 29 September 1943.

BAKER, J. T. (2). 1943. SPECIMEN # 153397 TX. (S43BAKTXTXUS)

## Element Occurrence Record

**Scientific Name:** Helianthus paradoxus      **Occurrence #:** 5      **Eo Id:** 7638  
**Common Name:** Pecos sunflower      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:** T  
**Global Rank:** G2      **State Rank:** S1      **Federal Status:** LT

### Location Information:

#### Directions

SIX TO SEVEN MILES WEST OF FORT STOCKTON

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### Survey Information:

**First Observation:** 1947-07-03      **Survey Date:**      **Last Observation:** 1947-09-11  
**Eo Type:**      **Eo Rank:** H      **Eo Rank Date:** 2006-12-07  
**Observed Area:**

### Comments:

**General**      BLACK SOIL BOTTOM LAND  
**Description:**

#### Comments:

**Protection**  
**Comments:**

**Management**  
**Comments:**

### Data:

**EO Data:** IN FLOWER AND FRUIT

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

Warnock, Barton H. 1974. Wildflowers of the Guadalupe Mountains and the sand dune country, Texas. Sul Ross State University, Alpine, TX. 176 pp.  
REED, H. R. (188). 1947. SPECIMEN # NONE SM.

### Specimen:

## Element Occurrence Record

Southern Methodist University Herbarium. 1947. H.R. Reed (s.n.) and #188, Specimen # none SRSC. 3 July and 11 September 1947.

REED, H. R. (188). 1947. SPECIMEN # NONE SM. (S47REESMTXUS)

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## Element Occurrence Record

Scientific Name: Helianthus paradoxus

Occurrence #: 7 Eo Id: 2641

Common Name: Pecos sunflower

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status: T

Global Rank: G2 State Rank: S1

Federal Status: LT

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### Location Information:

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#### Directions

CA. 15 MILES NORTH OF FORT STOCKTON NEAR "FLOWING WELLS" WHICH ARE NOW DRY ?

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### Survey Information:

First Observation: ?

Survey Date:

Last Observation:

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

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### Comments:

General ALKALINE SOIL

Description:

Comments:

Protection

Comments:

Management

Comments:

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### Data:

EO Data:

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### Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

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### Reference:

Citation:

Warnock, Barton H. 1974. Wildflowers of the Guadalupe Mountains and the sand dune country, Texas. Sul Ross State University, Alpine, TX. 176 pp.

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### Specimen:

## Element Occurrence Record

**Scientific Name:** Helianthus paradoxus      **Occurrence #:** 8      **Eo Id:** 5401  
**Common Name:** Pecos sunflower      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:** T  
**Global Rank:** G2      **State Rank:** S1      **Federal Status:** LT

### Location Information:

#### Directions

FROM DIAMOND Y SPRING AND LEON CREEK WEST OF TNC PROPERTY EAST TO THEIR CONFLUENCE, DIAMOND Y PRESERVE, CA. 8 MILES NORTH OF FORT STOCKTON

### Survey Information:

**First Observation:** 198?      **Survey Date:** 1994-11-03      **Last Observation:** 1994-11-03  
**Eo Type:**      **Eo Rank:** A      **Eo Rank Date:** 1988-09-14  
**Observed Area:**

### Comments:

**General Description:** SPRING-FED SALINE CIENEGA RUNS; SCIRPUS OLNEYI AT WATER'S EDGE FOLLOWED BY ZONE DOMINATED BY DISTICHLIS SPICATA WITH HELIANTHUS ANNUUS, FLAVERIA CHLORAEFOLIA, LIMONIUM LIMBATUM, SAMOLUS CUNEATUS, EUSTOMA EXALTATA; THEN A MONO-DOMINANT DISTICHLIS ZONE FOLLOWED BY MIXED DISTICHLIS-SPOROBOLUS AIROIDES SURROUNDED BY CHIHUAHUA DESERT SHRUBLAND

**Comments:** VanAuken & Bush (1995) indicated that the dry mass of *H. paradoxus* was significantly lower when soil organic matter and flooding was applied. It was also found that *H. paradoxus* is an obligate mycorrhizal species, requiring the fungal infection to complete its life cycle.

**Protection Comments:** PROTECT WATER RIGHTS

**Management Comments:**

### Data:

**EO Data:** THIS POPULATION CONSISTS OF SEVERAL THOUSAND TO HUNDREDS OF THOUSANDS OF INDIVIDUALS

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

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### Citation:

POOLE, J.M. 1992. PUZZLE SUNFLOWER STATUS REPORT UPDATE. TPWD SECTION 6 REPORT.

VanAuken, O.W. and J.K. Bush. 1995. Factors affecting the growth and distribution of *Helianthus paradoxus*. TNC-TX Small Grants report. 39 pp.

Blue Earth Ecological Consultants, Inc. 2007. Field Mapping of Pecos Sunflower Distribution in 2006, Part 3: West Texas Region. Unpublished report of January 11, 2007 prepared for the U.S. Fish and Wildlife Service, Region 2.

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### Specimen:

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## Element Occurrence Record

**Scientific Name:** *Justicia wrightii* **Occurrence #:** 7 **Eo Id:** 6015  
**Common Name:** Wright's water-willow **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes **TX Protection Status:**  
**Global Rank:** G2 **State Rank:** S1S2 **Federal Status:**

### Location Information:

#### Directions

ALONG HIGHWAY TO MCCAMEY, 20 MILES NORTHEAST OF FORT STOCKTON

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### Survey Information:

**First Observation:** **Survey Date:** **Last Observation:** 1946-04-19  
**Eo Type:** **Eo Rank:** H **Eo Rank Date:** 2006-12-07  
**Observed Area:**

### Comments:

**General** LIMESTONE SOIL  
**Description:**

**Comments:** WARNOCK #46181; ORIGINAL DET. CARLOWRIGHTIA SP., ANN. J. WRIGHTII A. GRAY BY DIETER WASSHAUSEN 1965

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

#### EO Data:

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

WARNOCK, B.H. (46181). 1946. SPECIMEN #168612 TEX.

### Specimen:

University of Texas at Austin Herbarium. 1946. Barton H. Warnock #46181, Specimen # 168612 TEX. 19 April 1946.

WARNOCK, B.H. (46181). 1946. SPECIMEN #168612 TEX. (S46WARTXTXUS)

## Element Occurrence Record

Scientific Name: Mephitis macroura      Occurrence #: 11      Eo Id: 12743  
Common Name: hooded skunk      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status:  
Global Rank: G5      State Rank: S1S2      Federal Status:

### Location Information:

#### Directions

The specimen labels state that they were located between 35-40 miles southeast of Fort Stockton. The directions were created by database staff. The directions are generalized as this record consists of multiple observations.

### Survey Information:

First Observation: 1925-11-10      Survey Date: 1926-01-20      Last Observation: 1926-01-20  
Eo Type:      Eo Rank: H      Eo Rank Date: 1926-01-20  
Observed Area:

### Comments:

#### General

#### Description:

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#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

EO Data: 10 November 1925: Skin of one male preserved specimen; 1 January 1926: Skin of one female preserved specimen (round); 20 January 1926: Skin of one male preserved specimen (round).

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

Ferguson, Adam. 2014. Texas Skunk Record Database regarding five species of skunk in Texas.

### Specimen:

## Element Occurrence Record

Museum of Southwestern Biology, University of New Mexico, Albuquerque, NM; J. Stokely Ligon (#188A), Catalog #13141, 10 November 1925, MSB.

Yale Peabody Museum of Natural History, Yale University, New Haven, CT; J. S. Ligon (#unknown), Catalog #YPM VZ YPM MAM 001977, 1 January 1926, YPM.

Yale Peabody Museum of Natural History, Yale University, New Haven, CT; J. S. Ligon (#unknown), Catalog #YPM VZ YPM MAM 001978, 20 January 1926, YPM.

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## Element Occurrence Record

Scientific Name: Nesaea longipes      Occurrence #: 5      Eo Id: 2735  
Common Name: longstalk heimia      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status:  
Global Rank: G2G3      State Rank: S2      Federal Status:

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### Location Information:

#### Directions

IRRIGATION DITCH SEEP CA. 0.75 MILE BELOW COMANCHE SPRINGS, FORT STOCKTON

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### Survey Information:

First Observation: 1947-08-28      Survey Date:      Last Observation: 1947-08-28  
Eo Type:      Eo Rank: H      Eo Rank Date: 2006-12-07  
Observed Area:

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### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

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### Data:

#### EO Data:

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### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

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### Reference:

#### Citation:

HINCKLEY, L.C. (4019). 1947. SPECIMEN #? SRSC.

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### Specimen:

## Element Occurrence Record

SUL ROSS STATE UNIVERSITY HERBARIUM, ALPINE. 1947. L.C. HINCKLEY #4019, SPECIMEN # NONE SRSC. 28  
AUGUST 1947.

HINCKLEY, L.C. (4019). 1947. SPECIMEN #? SRSC. (S47HINSRTXUS)

L.C. HINCKLEY. 1947. SRSC. (S47HINSRTXUS)

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## Element Occurrence Record

**Scientific Name:** Nesaea longipes      **Occurrence #:** 6      **Eo Id:** 5908  
**Common Name:** longstalk heimia      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:**  
**Global Rank:** G2G3      **State Rank:** S2      **Federal Status:**

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### Location Information:

#### Directions

COMANCHE SPRINGS; FORT STOCKTON

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### Survey Information:

**First Observation:** 1907-06-15      **Survey Date:**      **Last Observation:** 1952-06-22  
**Eo Type:**      **Eo Rank:** H      **Eo Rank Date:** 2006-12-12  
**Observed Area:**

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### Comments:

**General Description:** 1952 SPECIMEN NOTED LIMESTONE SOIL

**Comments:** H.H. YORK SPECIMEN AT UT HERBARIUM GIVES FORT STOCKTON AS DIRECTIONS

#### Protection

#### Comments:

#### Management

#### Comments:

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### Data:

#### EO Data:

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### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

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### Reference:

#### Citation:

WARNOCK, B.H. (10533). 1952. SPECIMEN #? SRSC.

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### Specimen:

## Element Occurrence Record

SUL ROSS STATE UNIVERSITY HERBARIUM, ALPINE. 1952. B.H. WARNOCK #10533, SPECIMEN # ? SRSC. 22 JUNE 1952.

SOUTHERN METHODIST UNIVERSITY HERBARIUM. 1952. B.H. WARNOCK #10533, SPECIMEN # NONE SMU. 22 JUNE 1952.

UNIVERSITY OF TEXAS AT AUSTIN HERBARIUM. 1907. H.H. YORK (S.N.), SPECIMEN # NONE TEX. 15 JUNE 1907.

UNIVERSITY OF TEXAS AT AUSTIN, LUNDELL HERBARIUM. 1952. B.H. WARNOCK #10533, SPECIMEN # NONE TEX-LL. 22 JUNE 1952.

WARNOCK, B.H. (10533). 1952. SPECIMEN #? SRSC. (S52WARSRTXUS)

YORK, H.H. (S.N.). TEX-LL. (S07YORTXTXUS)

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## Element Occurrence Record

Scientific Name: Nesaea longipes      Occurrence #: 7      Eo Id: 116  
Common Name: longstalk heimia      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status:  
Global Rank: G2G3      State Rank: S2      Federal Status:

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### Location Information:

#### Directions

7 MILES WEST OF FORT STOCKTON, ALONG HIGHWAY

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### Survey Information:

First Observation: 1949-07-31      Survey Date:      Last Observation: 1949-07-31  
Eo Type:      Eo Rank: H      Eo Rank Date: 2006-12-07

#### Observed Area:

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### Comments:

General      ALONG HIGHWAY; LIMESTONE SOIL  
Description:

#### Comments:

Protection  
Comments:

Management  
Comments:

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### Data:

EO Data:      DESCRIBED AS INFREQUENT

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### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

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### Reference:

#### Citation:

Warnock, B.H. (8863). 1949. Specimen No. unknown. SRSC.

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### Specimen:



## Element Occurrence Record

SUL ROSS STATE UNIVERSITY HERBARIUM, ALPINE. 1949. B.H. WARNOCK #8863, SPECIMEN # ? SRSC. 31 JULY 1949.

University of Texas at Austin Herbarium. 1949. Barton H. Warnock #8863, Specimen # none TEX. 31 July 1949.

Warnock, B.H. (8863). 1949. Specimen No. unknown. SRSC. (S49WARSRTXUS)

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## Element Occurrence Record

**Scientific Name:** *Nesaea longipes* **Occurrence #:** 9 **Eo Id:** 3291  
**Common Name:** longstalk heimia **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes **TX Protection Status:**  
**Global Rank:** G2G3 **State Rank:** S2 **Federal Status:**

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### Location Information:

#### Directions

SALT FLAT AT TUNIS [SIC] CREEK AT EAST ESCONDIDO SPRINGS [NOTE: EAST ESCONDIDO SPRING WAS ON TUNAS CREEK CA. 12 KILOMETERS WEST OF BAKERSFIELD; IT IS NOW DRY; SEE SPRINGS OF TEXAS (BRUNE, 1981)]

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### Survey Information:

**First Observation:** 1943-07-19 **Survey Date:** **Last Observation:** 1953-08-25  
**Eo Type:** **Eo Rank:** H **Eo Rank Date:** 2006-12-07  
**Observed Area:**

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### Comments:

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#### General

#### Description:

**Comments:** ALSO: SAME LOCATION, 19 JULY 1943, B.C. THARP #43-724 (TEX-LL); AND ESCONDIDO SPRINGS, 30 MI E OF FORT STOCKTON, 25 AUG 1953, B.L. TURNER & B.C. THARP #3165 (TEX-LL).

#### Protection

#### Comments:

#### Management

#### Comments:

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### Data:

#### EO Data:

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### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

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### Reference:

#### Citation:

THARP, B.C. (43-725, 43-724), 1943. SPECIMEN #NONE TEX-LL.

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### Specimen:

## Element Occurrence Record

UNIVERSITY OF TEXAS AT AUSTIN HERBARIUM. 1943. B.C. THARP #43-724, 43-725, SPECIMEN # NONE TEX. 19-20 JULY 1943.

UNIVERSITY OF TEXAS AT AUSTIN HERBARIUM. 1953. B.L. TURNER #53-501 AND B.C. THARP, SPECIMEN # NONE TEX. 25 AUGUST 1953.

TEXAS A & M UNIVERSITY, TRACY HERBARIUM. 1953. B.L. TURNER #53-501 AND B.C. THARP, SPECIMEN # NONE TAES. 25 AUGUST 1953.

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THARP, B.C. (43-725, 43-724). 1943. SPECIMEN #NONE TEX-LL. (S43THATXTXUS)

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TURNER, B.L. & B.C. THARP (3165). TAES, TEX-LL (S53TURTXTXUS) (S53TURAMTXUS)

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## Element Occurrence Record

**Scientific Name:** *Nesaea longipes* **Occurrence #:** 10 **Eo Id:** 3292  
**Common Name:** longstalk heimia **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes **TX Protection Status:**  
**Global Rank:** G2G3 **State Rank:** S2 **Federal Status:**

### Location Information:

#### Directions

Two locations on Diamond Y Spring Preserve. Suboccurrence A lies ca. 50-60 ft. SW of main access road to well pads (running NW-SE in this area) just NW of its crossing of Diamond Y Draw, ca. 0.35 mi N of Diamond Y Spring, GPS point N31o00.362', W102o55.338' +/- 10.9 ft. (31o00'21"N, 102o55'20"); note that this spot is ca. 19-23 paces NW of W channel of Diamond Y Draw. Suboccurrence B is at foot of slope immediately E of observation tower near confluence of Diamond Y Draw and Leon Creek, at GPS point N31o00'766, W102o9'1953 (31o00'27"N, 102o55'10W).

### Survey Information:

**First Observation:** 2001-08-30 **Survey Date:** 2001-09-26 **Last Observation:** 2001-09-26  
**Eo Type:** **Eo Rank:** CD **Eo Rank Date:** 2006-03-09  
**Observed Area:**

### Comments:

**General Description:** Suboccurrence A: stems trailing over low, lawn-like, monoculturous growth of *Distichlis spicata* on essentially level, completely unshaded area on floodplain terrace. *Helianthus paradoxus* most common of very few associates; *Sporobolus airoides* rare in immediate area. Suboccurrence B: on small patch of relatively bare clay at base of short gentle seep slope a few inches above level of floodplain, in association with *Helianthus paradoxus* and *Agalinis calycina*. Soils mapped as Balmorhea association, i.e., somewhat poorly drained Cumulic Haplaquolls with a surface layer of moderately alkaline, at least somewhat saline silt loam.

**Comments:** Originally discovered earlier in summer 2001 by Charmaine Delmatier of USF& WS. SOAH Docket No. 473-19-1265  
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#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** 2002-09-26: suboccurrence b consisted of two small patches with relatively few stems covering perhaps 25 sq. ft. Number of individual plants composing these patches unknowable without major destruction. 2001-08-30: suboccurrence A consisted of one patch of stems covering much of a rectangular area ca 4 ft. wide and 15 ft. long and two circular areas about 3 and 4 ft. wide respectively (total area  $60 + 7 + 12 = 79$  sq. ft.). Number of individual plant composing these patches unknowable without major destruction.

### Community Information:

Scientific Name:	Stratum:	Dominant:	Lifeform:	Composition Note:
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## Element Occurrence Record

### Reference:

#### Citation:

CARR, W.R. 2001. NOTES ON RARE PLANT SPECIES AT DIAMOND Y SPRING PRESERVE, PECOS COUNTY, TEXAS. OCTOBER 2001 DRAFT. UNPUBLISHED REPORT, THE NATURE CONSERVANCY OF TEXAS.

Carr, W. R. 2001. Notes on two other rare plant species at Diamond Y Spring Preserve, Pecos County, Texas. Unpublished report. The Nature Conservancy of Texas, 4 September 2001. 6 pp.

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### Specimen:

UNIVERSITY OF TEXAS AT AUSTIN HERBARIUM. 2001. W.R. CARR #20038, SPECIMEN # NONE TEX. 30 AUGUST 2001.

Carr, W.R. (20038). 2001. TEX-LL.

Delmatier, C. (s.n.). 2001. Disposition unknown.

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## Element Occurrence Record

**Scientific Name:** Notropis chalybaeus      **Occurrence #:** 8      **Eo Id:** 13648  
**Common Name:** ironcolor shiner      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:**  
**Global Rank:** G4      **State Rank:** S3      **Federal Status:**

---

### Location Information:

#### Directions

Data aggregated from Fishes of Texas specimens. No directions added.

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### Survey Information:

**First Observation:** 1948-06-08      **Survey Date:** 1948-06-08      **Last Observation:** 1948-06-08  
**Eo Type:**      **Eo Rank:** H      **Eo Rank Date:** 1948-06-08  
**Observed Area:**

---

### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

---

### Data:

**EO Data:** 8 Jun 1948: At least 1 specimen collected.

---

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

---

### Reference:

#### Citation:

Fishes of Texas. 2015. Database download from the Fishes of Texas online database (<http://www.fishesoftexas.org/home/>) of SGCN species on 11 May 2015. University of Texas, Texas Natural History Collections, Excel spreadsheet.

---

### Specimen:

## Element Occurrence Record

Life Sciences and Archives Collections, Perot Museum of Nature and Science, Dallas, TX; SMU Collection (#unknown), Catalog # 241,  
6 Jun 1948, DMNH.

Life Sciences and Archives Collections, Perot Museum of Nature and Science, Dallas, TX; SMU Collection (#unknown), Catalog # 243,  
6 Jun 1948, DMNH.

Life Sciences and Archives Collections, Perot Museum of Nature and Science, Dallas, TX; SMU Collection (#unknown), Catalog # 244,  
6 Jun 1948, DMNH.

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## Element Occurrence Record

Scientific Name: Oncorhynchus clarkii virginalis

Occurrence #: 1 Eo Id: 13891

Common Name: Rio Grande cutthroat trout

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G4T3

State Rank: SNR

Federal Status:

---

### Location Information:

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#### Directions

Data aggregated from Fishes of Texas specimens. No directions added.

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### Survey Information:

First Observation: 1861-04-12

Survey Date: 1861-04-12

Last Observation: 1861-04-12

Eo Type:

Eo Rank: H

Eo Rank Date: 1861-04-12

Observed Area:

---

### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

---

### Data:

EO Data: 12 Apr 1861: At least 1 specimen collected.

---

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

---

### Reference:

#### Citation:

Fishes of Texas. 2015. Database download from the Fishes of Texas online database (<http://www.fishesoftexas.org/home/>) of SGCN species on 11 May 2015. University of Texas, Texas Natural History Collections, Excel spreadsheet.

---

### Specimen:



## Element Occurrence Record

Scientific Name: *Ondatra zibethicus ripensis*

Occurrence #: 4 Eo Id: 5730

Common Name: Pecos River muskrat

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G5T3T4

State Rank: S2S3

Federal Status:

### Location Information:

#### Directions

A SERIES OF SPECIMENS WAS COLLECTED AT FORT STOCKTON WHERE THEY WERE COMMON IN THE RUSHES ALONG THE BANKS OF COMANCHE CREEK [PROBABLY NEAR COMANCHE SPRINGS AREA IN SOUTHEAST PART OF FORT STOCKTON]

### Survey Information:

First Observation: 1902-08-13

Survey Date:

Last Observation: 1902-08-16

Eo Type:

Eo Rank: X

Eo Rank Date:

Observed Area:

### Comments:

General IN RUSHES ALONG THE BANKS OF COMANCHE CREEK; COMANCHE CREEK AND SPRING DRIED UP IN  
Description: 1961 (BRUNE, 1975)

#### Comments:

Protection MUSKRATS CAUSE DAMAGE TO CANAL BANKS, AND CONTROL EFFORTS ON THE MUSKRATS OCCUR

#### Comments:

Management THERE IS NO ACTIVE MANAGEMENT PLAN FOR PROTECTION OF THIS SPECIES

#### Comments:

A SURVEY OF FURBUYERS, FARMERS, AND GAME WARDENS IN 1949 INDICATED MUSKRATS WERE STILL PRESENT, BUT DECLINING IN NUMBERS (U81SWE01TXUS)

### Information:

Stratum:

Dominant:

Lifeform:

Composition Note:

of Texas. North American Fauna No. 25. Government Printing Office, Washington D. C..

Job No. 11: Pecos River muskrat survey. Grant No. W-103-R-11 Federal Aid in  
Parks and Wildlife Department, Austin, TX. 16 November 1981.

*Ondatra zibethicus ripensis* in the vicinity of Clint, Texas. M. A. Thesis. Sul Ross

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## Element Occurrence Record

### Specimen:

SMITHSONIAN MUSEUM, WASHINGTON, D.C. 1902. CARY AND HOLLISTER.

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## Element Occurrence Record

**Scientific Name:** Ondatra zibethicus ripensis      **Occurrence #:** 6      **Eo Id:** 7991  
**Common Name:** Pecos River muskrat      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:**  
**Global Rank:** G5T3T4      **State Rank:** S2S3      **Federal Status:**

### Location Information:

#### Directions

SAN PEDRO SPRINGS, 12 MILES NORTH OF FORT STOCKTON

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### Survey Information:

**First Observation:**      **Survey Date:**      **Last Observation:**

**Eo Type:**      **Eo Rank:** X      **Eo Rank Date:**

**Observed Area:**

### Comments:

#### General

#### Description:

**Comments:** A REFUGE WAS ALSO PROVIDED FOR THE MUSKRAT BY A RANCH OWNER ALONG SAN PEDRO CREEK IN THE FORT STOCKTON AREA, BUT SINCE THEN, THE CREEK HAS GONE DRY, DRIVING THE MUSKRATS IN THAT AREA TO EXTINCTION; OTHER PROBABLE FORMER HABITAT COULD HAVE BEEN ESCONDID SPRINGS (20 MILES EAST OF FORT STOCKTON), SANTA ROSA SPRINGS, SAN SOLOMON SPRINGS, OAK CREEK, INDEPENDENCE SPRINGS AND CREEK, TOYAH CREEK NEAR BALMORHEA, AND LEON SPRINGS; ALL OF THE ABOVE CREEKS AND SPRINGS ARE NOW DRY BECAUSE OF DRILLING OF DEEP IRRIGATION WELLS WITH THE EXCEPTIONS OF SAN SOLOMON SPRINGS, INDEPENDENCE CREEK, AND TOYAH CREEK; AND ONLY INDEPENDENCE CREEK IS STILL CONNECTED WITH THE PECOS RIVER, BUT THE FLOW IS TOO SWIFT FOR MUSKRAT HABITATION

**Protection Comments:** MUSKRATS CAUSE DAMAGE TO CANAL BANKS, AND CONTROL EFFORTS ON THE MUSKRATS OCCUR

**Management Comments:** THERE IS NO ACTIVE MANAGEMENT PLAN FOR PROTECTION OF THIS SPECIES

### Data:

**EO Data:**

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

## Element Occurrence Record

### Citation:

Holmes, Janelle. 1970. A 1970 definition of Ondatra zibethicus ripensis in the vicinity of Clint, Texas. M. A. Thesis. Sul Ross State University, Alpine, Texas. 37 pp.

Brune, Gunnar. 1981. Springs of Texas. Volume I. Branch-Smith, Inc. Fort Worth, TX. 566 pp.

### Specimen:

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## Element Occurrence Record

**Scientific Name:** Perityle angustifolia      **Occurrence #:** 2      **Eo Id:** 10398  
**Common Name:** rayless rock-daisy      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:**  
**Global Rank:** G3G4      **State Rank:** S3S4      **Federal Status:**

### Location Information:

#### Directions

NE-facing side of Round Mtn., ca. 75 yds. W of US Rt. 285 and 15 mi SE of Ft. Stockton. [Note: There is a Round Mountain on the Sierra Madre NE Quad (3910267), but it is ca. 4 airmiles W of US Rt. 285.]

### Survey Information:

**First Observation:**      **Survey Date:** 1964-09-13      **Last Observation:** 1964-09-13  
**Eo Type:**      **Eo Rank:**      **Eo Rank Date:**  
**Observed Area:**

### Comments:

**General** Limestone outcrops on NE-facing slope.

#### Description:

**Comments:** Complete specimen citation: Common on limestone outcrops, NE-facing side of Round Mtn., ca 75 yds. W of US Rt. 285 and 15 mi SE of Ft. Stockton, elev. 3500 ft., 13 Sep. 1964, W.E. Niles 434 (TEX-LL).

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** Described as common in 1964.

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

Niles, W.E. (434). 1964. Specimen No. none. TEX-LL.

### Specimen:

Niles, W.E. (434). 1964. Specimen No. none. TEX-LL. (S64NLTXTXUS)

## Element Occurrence Record

Scientific Name: Perityle cinerea      Occurrence #: 3      Eo Id: 4912  
Common Name: grayleaf rock-daisy      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status:  
Global Rank: G2      State Rank: S2      Federal Status:

---

### Location Information:

Directions  
FORT STOCKTON

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### Survey Information:

First Observation: 1907      Survey Date:      Last Observation: 1907-06-14  
Eo Type:      Eo Rank: H      Eo Rank Date: 2006-12-07  
Observed Area: 1.00

---

### Comments:

General  
Description:

Comments:

Protection  
Comments:

Management  
Comments:

---

### Data:

EO Data:

---

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

---

### Reference:

Citation:

YORK, H.H. (291). 1907. SPECIMEN # 158763 TX & 158762 TX.

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### Specimen:

## Element Occurrence Record

Sul Ross State University Herbarium, Alpine. 1907. H.H. York #291, Specimen # none SRSC. 14 June 1907.

University of Texas at Austin Herbarium. 1907. H.H. York #291, Specimen # 158763, 158762 TEX. 14 June 1907.

YORK, H. H. (291). 1907. SPECIMEN # 158763 TX & 158762 TX. (S07YORTXTXUS)

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## Element Occurrence Record

**Scientific Name:** Perityle cinerea      **Occurrence #:** 4      **Eo Id:** 238  
**Common Name:** grayleaf rock-daisy      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:**  
**Global Rank:** G2      **State Rank:** S2      **Federal Status:**

### Location Information:

#### Directions

7-MILE MESA, ABOUT 7 MILES NORTHEAST OF FORT STOCKTON, 4.5 MILES FROM HWY 290 (BY WAY OF GIRVIN ROAD); CAPROCKS AT SOUTHEAST END, NORTH AND SOUTH SIDES, AND ON TOP.

### Survey Information:

**First Observation:** 1962-08-16      **Survey Date:**      **Last Observation:** 1964-09-15  
**Eo Type:**      **Eo Rank:** U      **Eo Rank Date:** 2006-12-12

#### Observed Area:

### Comments:

**General Description:** CREVICES OF LIMESTONE BLUFFS, VERTICAL CLIFFS, LARGE BOULDERS, AND ROCK POCKETS OR DEPRESSIONS; ALL EXPOSURES.

**Comments:** BROWSED BY SHEEP; DENSELY CLUMPED AND APPRESSED TO ROCK.

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** INFREQUENT; IN FLOWER

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

POWELL, A. M. (1310). 1964. SPECIMEN # 256302 TX.

### Specimen:

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## Element Occurrence Record

University of Texas at Austin Herbarium. 1964. A.M. Powell #1310, Specimen # 256302 TEX. 15 September 1964.

University of Texas at Austin Herbarium. 1964. W.E. Niles #435, Specimen # none TEX. 13 September 1964.

Sul Ross State University Herbarium, Alpine. 1962. B.H. Warnock #20403, Specimen # none SRSC. 16 August 1962.

Sul Ross State University Herbarium, Alpine. 1964. A.M. Powell #1310, Specimen # none SRSC. 15 September 1964.

University of Texas at Austin Herbarium. 1962. Barton H. Warnock #20403, Specimen # none TEX. 16 August 1962.

POWELL, A. M. (1310). 1964. SPECIMEN # 256302 TX. (S64POWXTXUS)

[S64NLTXTXUS]

[S62WARSRTXUS]

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## Element Occurrence Record

**Scientific Name:** *Perityle cinerea* **Occurrence #:** 8 **Eo Id:** 4723  
**Common Name:** grayleaf rock-daisy **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes **TX Protection Status:**  
**Global Rank:** G2 **State Rank:** S2 **Federal Status:**

### Location Information:

#### Directions

NEAR ESCONDIDO CREEK (NOW CALLED TUNIS [TUNAS] CREEK, ABOUT 30 MILES EAST OF FORT STOCKTON, SEE COMMENTS).

### Survey Information:

**First Observation:** 185? **Survey Date:** **Last Observation:** 185?  
**Eo Type:** **Eo Rank:** U **Eo Rank Date:** 2006-12-12  
**Observed Area:** 1.00

### Comments:

**General** ROCKS  
**Description:**

**Comments:** TYPE LOCALITY NOT TYPICAL HABITAT, PROBABLY NEAR THERE BUT HIGHER UP ON MESAS WHICH ABOUND ON ROUTE TAKEN BY BIGELOW.

**Protection**  
**Comments:**

**Management**  
**Comments:**

### Data:

**EO Data:** IN FLOWER

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

POWELL, A. M. 1969. TAXONOMY OF PERITYLE SECTION PAPPOTHRIX (COMPOSITAE-PERITYLANAE). RHODORA 71:58-93.

### Specimen:

## Element Occurrence Record

Scientific Name: Perityle rupestris var. rupestris

Occurrence #: 14 Eo Id: 10683

Common Name: leafy rock-daisy

Track Status: Track all extant and selected historical EOs

Identification Confirmed:

TX Protection Status:

Global Rank: G4T3

State Rank: S3

Federal Status:

---

### Location Information:

#### Directions

15 mi S of Kent, near Hwy 118.

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### Survey Information:

First Observation: 1967-09-30

Survey Date:

Last Observation: 1967-09-30

Eo Type:

Eo Rank: U

Eo Rank Date: 2005-03-01

Observed Area:

---

### Comments:

#### General

#### Description:

Comments: Complete specimen citation: JEFF DAVIS Co.: Crevices of E-facing igneous rock bluffs, 15 mi S of Kent, near Hwy 118; flowers yellow; 30 Sep 1967, A. M. Powell 1559 (TEX-LL).

#### Protection

#### Comments:

#### Management

#### Comments:

---

### Data:

EO Data: None provided.

---

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

---

### Reference:

Citation:

---

### Specimen:

A. M. Powell 1559 (TEX-LL).

## Element Occurrence Record

Scientific Name: Prairie Dog Town

Occurrence #: 322 Eo Id: 7616

Common Name:

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: GNR

State Rank: SNR

Federal Status:

---

### Location Information:

#### Directions

EAST CA. 1 MILE FROM ROADSIDE PARK ON I-10, NORTH SIDE OF ROAD

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### Survey Information:

First Observation:

Survey Date:

Last Observation: 1993-10-25

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

---

### Comments:

#### General

#### Description:

Comments: OBSERVED WHILE TRAVELLING TO AND FROM BALMORHEA STATE PARK

#### Protection

#### Comments:

#### Management

#### Comments:

---

### Data:

EO Data:

---

### Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

---

### Reference:

#### Citation:

HORNER, M.A. NO DATE. MAMMOLOGIST, ENDANGERED RESOURCES BRANCH, TEXAS PARKS AND WILDLIFE DEPARTMENT, 3000 SOUTH IH-35, SUITE 100, AUSTIN, TEXAS 78704; PHONE 512/912-7011.

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### Specimen:

## Element Occurrence Record

**Scientific Name:** *Pseudocappia arenaria* **Occurrence #:** 11 **Eo Id:** 12483  
**Common Name:** cienega false clappia-bush **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes **TX Protection Status:**  
**Global Rank:** G3 **State Rank:** S3 **Federal Status:**

### Location Information:

#### Directions

Two locations on Diamond Y Springs Preserve. Suboccurrence A: N edge of parking lot / well pad at Diamond Y Spring, ca. 50-100 ft. W of Diamond Y Draw, at N31o00.079', W102o55.458' (Carr GPS) (31o00'05"N, 102o55'27"W). Suboccurrence B: E side of Diamond Y Draw, N and S of pipeline clearing ca. 1/4 mi W of St. Rt. 18 in NE corner of preserve, at N31o02'11.5", W102o53'22.8" and N31o02'12.1", W102o53'22.1" (stop 7 in Sep 2004 report).

### Survey Information:

**First Observation:** 2001 **Survey Date:** 2004-04-24 **Last Observation:** 2004-09-24

**Eo Type:** **Eo Rank:** B **Eo Rank Date:** 2006-03-09

#### Observed Area:

### Comments:

#### General

#### Description:

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#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** 2004: 6 shrubs in vicinity of N31o02'11.5", W102o53'22.8" and 2 shrubs at N31o02'12.1", W102o53'22.1"; all vegetative on 24 Sep 2004. 2001: Suboccurrence A: ca. 50 shrubs observed on 30 Aug 2001. Suboccurrence B: ca. 10 shrubs observed on 26 Sep 2001.

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

Carr, W.R. (2004). 2001. Specimen No. none. TEX-LL.

Carr, W. R. 2004. A botanical survey of the expanded Diamond Y Spring Preserve, Pecos County, Texas, 25-26 September 2004. Unpublished report, The Nature Conservancy of Texas, San Antonio.

## Element Occurrence Record

### Specimen:

Carr, W.R. (20044). 2001. Specimen No. none. TEX-LL. (S01CARTXTXUS)

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## Element Occurrence Record

**Scientific Name:** Pseudotryonia adamantina

**Occurrence #:** 1 **Eo Id:** 6308

**Common Name:** Diamond Y springsnail

**Track Status:** Track all extant and selected historical EOs

**Identification Confirmed:** Y - Yes

**TX Protection Status:** E

**Global Rank:** G1

**State Rank:** S1

**Federal Status:** LE

### Location Information:

#### Directions

DIAMOND Y SPRING TO APPROXIMATELY 1 MILE DOWNSTREAM IN DIAMOND Y DRAW

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### Survey Information:

**First Observation:** 1968-06-26

**Survey Date:**

**Last Observation:** 1993

**Eo Type:**

**Eo Rank:**

**Eo Rank Date:**

**Observed Area:**

### Comments:

#### General

FOUND IN MUD AMONG SEDGES AND CATTAILS IN RAPIDLY MOVING SEGMENTS OF CREEK

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** SPECIES TYPE (LACM 2089) COLLECTED BY D.W. TAYLOR, JUNE 26, 1968; PARATYPES (UTEP 10060); ASSOCIATES INCLUDE PHYSA MEXICANA, LYMNEA CAPERATA, AND ASSIMINEA PECOS

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

Taylor, D.W. 1987. Fresh-water molluscs from New Mexico and vicinity. Bulletin 116. New Mexico Bureau of Mines & Mineral Resources. Socorro, N.M. 50 pp.

Fullington, Richard W. 1991. Mollusca survey of Texas Nature Conservancy Preserves: Diamond Y Springs and Independence Creek. Final Report, The Nature Conservancy of Texas, San Antonio, Texas. 7 pp.

## Element Occurrence Record

Specimen:

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## Element Occurrence Record

**Scientific Name:** *Spilogale gracilis*      **Occurrence #:** 20      **Eo Id:** 14143  
**Common Name:** Western spotted skunk      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:**  
**Global Rank:** G5      **State Rank:** S5      **Federal Status:**

### Location Information:

#### Directions

The specimen label states that it was observed 2 miles north of Bakersfield.

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### Survey Information:

**First Observation:** 1987-05-24      **Survey Date:** 1987-05-24      **Last Observation:** 1987-05-24  
**Eo Type:**      **Eo Rank:** H      **Eo Rank Date:** 1987-05-24  
**Observed Area:**

### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** 24 May 1987: Skull only of one preserved specimen of unknown sex.

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

Ferguson, Adam. 2014. Texas Skunk Record Database regarding five species of skunk in Texas.

### Specimen:

Museum of Texas Tech University, Texas Tech University, Lubbock, TX; N. J. Scott, R. R. Hollander (#unknown), Catalog #47797, Field #TK944245, 24 May 1987, TTU.

## Element Occurrence Record

Scientific Name: Tantilla cucullata      Occurrence #: 14      Eo Id: 727  
Common Name: Trans-pecos Black-headed Snake      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status: T  
Global Rank: G3      State Rank: S2      Federal Status:

### Location Information:

#### Directions

18 MILES WEST OF BAKERSFIELD ON US 290

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### Survey Information:

First Observation:      Survey Date:      Last Observation: 1970-08-23  
Eo Type:      Eo Rank: U      Eo Rank Date: 2006-12-12

#### Observed Area:

### Comments:

#### General

#### Description:

Comments: DOR

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

#### EO Data:

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

NO AUTHOR. NO DATE. ONE SPECIMEN 33108. TCWC

### Specimen:

Texas A & M University, Texas Cooperative Wildlife Collection. 1970. Unknown Collector, Catalog # 33108 TCWC. 23 August 1970.

NO AUTHOR. NO DATE. ONE SPECIMEN 33108. TCWC (S??XXXAMTXUS)

## Element Occurrence Record

**Scientific Name:** Tryonia circumstriata      **Occurrence #:** 1      **Eo Id:** 4640  
**Common Name:** Gonzales tryonia      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:** E  
**Global Rank:** G1      **State Rank:** S1      **Federal Status:** LE

### Location Information:

#### Directions

DIAMOND Y DRAW, 9 MILES NORTH OF FORT STOCKTON AND 0.5 MILE WEST OF STATE HIGHWAY 18; SPRING  
ADJACENT TO MAINFLOW OF DIAMOND Y DRAW

### Survey Information:

**First Observation:** 1984-10-27      **Survey Date:**      **Last Observation:** 1993

**Eo Type:**      **Eo Rank:**      **Eo Rank Date:**

**Observed Area:**

### Comments:

**General** SINGLE SPRING AT 21 DEGREES C. AND ITS OUTFLOW ABOUT 90 FEET LONG; ABUNDANT IN SOFT  
**Description:** MUD

#### Comments:

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#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** SPECIES TYPE (LACM 2090) COLLECTED BY D.W. TAYLOR, OCTOBER 27, 1984; PARATYPES (UTEP  
10065); ASSOCIATES INCLUDE PHYSA MEXICANA

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

Taylor, D.W. 1987. Fresh-water molluscs from New Mexico and vicinity. Bulletin 116. New Mexico Bureau of Mines & Mineral Resources. Socorro, N.M. 50 pp.

Fullington, Richard W. 1991. Mollusca survey of Texas Nature Conservancy Preserves: Diamond Y Springs and Independence Creek. Final Report, The Nature Conservancy of Texas, San Antonio, Texas. 7 pp.

## Element Occurrence Record

Specimen:

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## Element Occurrence Record

Scientific Name: Vulpes macrotis      Occurrence #: 22      Eo Id: 6340  
Common Name: kit fox      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status:  
Global Rank: G4      State Rank: S1S2      Federal Status:

### Location Information:

#### Directions

CA. 6 MILES SOUTHEAST OF COYANOSA, PECOS COUNTY

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### Survey Information:

First Observation: 1971-04-19      Survey Date:      Last Observation: 1971-04-19  
Eo Type:      Eo Rank:      Eo Rank Date:  
Observed Area:

### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

EO Data: SKULL

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

SCUDDAY, JAMES F. 1995. PERSONAL CORRESPONDENCE WITH PEGGY HORNER IN REGARD TO VULPES MACROTIS.

### Specimen:

SUL ROSS STATE UNIVERSITY MUSEUM, ALPINE, TX. 1971. AGANS, CATALOG # 1525 SRSU. 19 APRIL 1971.

## Element Occurrence Record

Scientific Name: Vulpes macrotis

Occurrence #: 24 Eo Id: 2062

Common Name: kit fox

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G4

State Rank: S1S2

Federal Status:

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### Location Information:

#### Directions

FORT STOCKTON, 14 MILES NORTHWEST AND 5 MILES NORTHEAST, FM 1776

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### Survey Information:

First Observation: 1971-12-15

Survey Date:

Last Observation: 1971-12-15

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

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### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

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### Data:

EO Data: MALE, SKULL ONLY

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### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

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### Reference:

#### Citation:

SCUDDAY, JAMES F. 1995. PERSONAL CORRESPONDENCE WITH PEGGY HORNER IN REGARD TO VULPES MACROTIS.

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### Specimen:

SUL ROSS STATE UNIVERSITY MUSEUM, ALPINE, TX. 1971. K.A. #101, CATALOG # 1957 SRSU. 15 DECEMBER 1971.

## Element Occurrence Record

Scientific Name: Vulpes macrotis

Occurrence #: 26 Eo Id: 7348

Common Name: kit fox

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G4

State Rank: S1S2

Federal Status:

### Location Information:

#### Directions

20 MILES NORTHEAST OF ALPINE, NEAR HOVEY

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### Survey Information:

First Observation: 1977-05-08

Survey Date:

Last Observation: 1977-05-08

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

EO Data: SKULL ONLY

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

SCUDDAY, JAMES F. 1995. PERSONAL CORRESPONDENCE WITH PEGGY HORNER IN REGARD TO VULPES MACROTIS.

### Specimen:

SUL ROSS STATE UNIVERSITY MUSEUM, ALPINE, TX. 1977. D.A.S. #7, CATALOG # 1991 SRSU. 8 MAY 1977.

## Element Occurrence Record

Scientific Name: Vulpes macrotis      Occurrence #: 29      Eo Id: 4571  
Common Name: kit fox      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status:  
Global Rank: G4      State Rank: S1S2      Federal Status:

### Location Information:

Directions  
NORTHWESTERN PECOS COUNTY

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### Survey Information:

First Observation: 1979-10-18      Survey Date:      Last Observation: 1979-10-18  
Eo Type:      Eo Rank:      Eo Rank Date:  
Observed Area:

### Comments:

General  
Description:

Comments:

Protection  
Comments:

Management  
Comments:

### Data:

EO Data: SKULL

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>
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### Reference:

#### Citation:

SCUDDAY, JAMES F. 1995. PERSONAL CORRESPONDENCE WITH PEGGY HORNER IN REGARD TO VULPES MACROTIS.

### Specimen:

SUL ROSS STATE UNIVERSITY MUSEUM, ALPINE, TX. 1979. M.B., CATALOG # 2087 SRSU. 18 OCTOBER 1979.



## Element Occurrence Record

Scientific Name: Vulpes macrotis      Occurrence #: 45      Eo Id: 7031  
Common Name: kit fox      Track Status: Track all extant and selected historical EOs  
Identification Confirmed: Y - Yes      TX Protection Status:  
Global Rank: G4      State Rank: S1S2      Federal Status:

### Location Information:

#### Directions

11 MILES EAST OF FORT STOCKTON

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### Survey Information:

First Observation: 1966-01-02      Survey Date:      Last Observation: 1966-01-02

Eo Type:      Eo Rank:      Eo Rank Date:

Observed Area:

### Comments:

#### General

#### Description:

#### Comments:

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

EO Data: ONE FEMALE, SKULL ONLY

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

DRAGOO, JERRY W., JERRY R. CHOATE, TERRY L. YATES, AND THOMAS P. O'FARRELL. 1990. EVOLUTIONARY AND TAXONOMIC RELATIONSHIPS AMONG NORTH AMERICAN ARID-LAND FOXES. J. MAMM. 71(3):318-332.

### Specimen:

TEXAS A & M UNIVERSITY, TEXAS COOPERATIVE WILDLIFE COLLECTION. 1966. D.C. CARTER, CATALOG # 02284  
TCWC. 2 JANUARY 1966.

## Element Occurrence Record

**Scientific Name:** Vulpes velox      **Occurrence #:** 42      **Eo Id:** 1304  
**Common Name:** swift fox      **Track Status:** Track all extant and selected historical EOs  
**Identification Confirmed:** Y - Yes      **TX Protection Status:**  
**Global Rank:** G3      **State Rank:** S1      **Federal Status:**

### Location Information:

#### Directions

NORTHWEST SIDE OF US 67 AND 385, ABOUT TEN MILES SOUTHWEST OF MCCAMEY, AT THE POINT WHERE PECOS, CRANE, AND CROCKETT COUNTIES COME TOGETHER

### Survey Information:

**First Observation:** 1968      **Survey Date:**      **Last Observation:** 1968-01-09  
**Eo Type:**      **Eo Rank:**      **Eo Rank Date:**  
**Observed Area:**

### Comments:

#### General

#### Description:

**Comments:** THESE ANIMALS WERE KILLED BY VARMINT HUNTERS AND HUNG ON A FENCE; THE SKULLS WERE ON THE GROUND AND COMPLETELY CLEANED UP; IT IS SUSPECTED THEY WERE KILLED WITHIN 1.5 MILES OF THIS SPOT

#### Protection

#### Comments:

#### Management

#### Comments:

### Data:

**EO Data:** FIVE SKULLS OF ADULT SWIFT FOX COLLECTED AT ROADSIDE (GENDER NOT MENTIONED)

### Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

### Reference:

#### Citation:

McCarley, Howard. 1995. Letter of 14 April to Peggy Horner, Texas Parks and Wildlife Department, Conservation Scientist, regarding Vulpes velox, and Spilogale putorius from Austin College, Sherman, TX.

### Specimen:

AUSTIN COLLEGE, HOWARD MCCARLEY PERSONAL/PRIVATE COLLECTION. 1968. HOWARD MCCARLEY, CATALOG #  
?. 9 JANUARY 1968.

## Element Occurrence Record

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